

E-diesel Fact Sheet

Michigan Biomass Energy Program

- Includes ethanol blends of 7.7% to 15% and up to 5% special additives that prevent the ethanol and diesel from separating at very low temperatures or if water contamination occurs.
- Could provide a considerable increase in demand for ethanol as diesel vehicles in the U.S. consume approximately 50 billion gallons of diesel a year.
- Demonstrations are currently being conducted on the use of E-diesel in heavy-duty trucks, buses, and farm machinery.
- Testing on John Deere 9400 4WD Tractor & 9650 Combine resulted in no mechanical problems or performance differences, although operational costs increased by 75¢ per acre.
- E-diesel handling and storage is similar to gasoline.
- Emission tests have shown the following reductions: Particulate Matter 27% to 41%, Carbon Monoxide 20% to 27%, Nitrogen Oxides 4% to 5%.
- Will most likely be priced between #1 and #2 diesel.
- 7-10% mileage decreases may occur with E-diesel use.
- Blenders' can receive federal ethanol tax credit when blending ethanol with diesel.
- Use of E-diesel will decrease our dependency on foreign, non-renewable fuel.

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